UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,047,478 B2
APPLICATION NO. : 10/015949
DATED   : May 16, 2006
INVENTOR(S)   : Stefano Gregori et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17

Line 15, "isomorphie" should be -- isomorphic --.

Line 16, "$GF(b^{a_1}GF((b^{a_1 a_2}),...,GF(b^{a_1 a_2 \cdots a_{k-1}}))$" should be -- $GF\left(b^{a_1}\right), GF\left(b^{a_1 a_2}\right),..., GF\left(b^{a_1 a_2 \cdots a_{k-1}}\right)$ --

Lines 18-19, "$GF(b^{a_1}),(GF(b^{a_{12}}),...,(GF(b^{a_1 a_2 \cdots a_{k-1}}),$" should be -- $GF\left(b^{a_1}\right), GF\left(b^{a_1 a_2}\right),..., GF\left(b^{a_1 a_2 \cdots a_{k-1}}\right)$ --

Line 24, "$(GF(b^{a_1 a_2 \cdots a_k})$" should be -- $GF\left(b^{a_1 a_2 \cdots a_k}\right)$ --

Line 31, "$(GF(b^{a_1 a_2 \cdots a_k}),$" should be -- $GF\left(b^{a_1 a_2 \cdots a_k}\right)$ --

Line 33, "$(GF(b^{a_1}),(GF(b^{a_{12}}),...,(GF(b^{a_1 a_2 \cdots a_{k-1}}),$" should be -- $GF(b^{a_1}), GF(b^{a_1 a_2}),..., GF(b^{a_1 a_2 \cdots a_{k-1}})$ --

Line 35, "$(GF(b^{a_1 a_2 \cdots a_{k-1}})$" should be -- $GF\left(b^{a_1 a_2 \cdots a_{k-1}}\right)$ --

Line 37, "$(GF(b^{a_{12} \cdots a_k})$" should be -- $GF\left(b^{a_1 a_2 \cdots a_k}\right)$ --

Line 39, "$(GF(b^{a_1}),(GF(b^{a_{12}}),...,(GF(b^{a_1 a_2 \cdots a_k}),$" should be -- $GF\left(b^{a_1}\right), GF\left(b^{a_1 a_2}\right),..., GF\left(b^{a_1 a_2 \cdots a_{k-1}}\right)$ --

Lines 40-41, "$(GF(b^{a_{12} \cdots a_k})$" should be -- $GF\left(b^{a_1 a_2 \cdots a_k}\right)$ --

Lines 45-46, "$(GF(b^{a_1}),(GF(b^{a_{12}}),...,(GF(b^{a_1 a_2 \cdots a_{k-1}})),$" should be

-- $GF\left(b^{a_1}\right), GF\left(b^{a_1 a_2}\right),..., GF\left(b^{a_1 a_2 \cdots a_{k-1}}\right)$ --

Line 47, "$(GF(b^{a_1 a_2 \cdots a_k})$" should be -- $GF\left(b^{a_1 a_2 \cdots a_k}\right)$ --

Lines 49-50, "$(GF(b^{a_1}),(GF(b^{a_{12}}),...,(GF(b^{a_1 a_2 \cdots a})$" should be -- $GF\left(b^{a_1}\right), GF\left(b^{a_1 a_2}\right),..., GF\left(b^{a_1 a_2 \cdots a_k}\right)$ --

Lines 52-53, "$(GF(b^{a_1}),(GF(b^{a_{12}}),...,(GF(b^{a_1 a_2 \cdots a}$" should be -- $GF\left(b^{a_1}\right), GF\left(b^{a_1 a_2}\right),..., GF\left(b^{a_1 a_2 \cdots a_{k-1}}\right)$ --

Line 54, "$(GF(b^{a_{12} \cdots a_k})$" should be -- $GF\left(b^{a_1 a_2 \cdots a_k}\right)$ --

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Lines 57-58, "$(GF(b^{a_1})), (GF(b^{a_{12}})), ..., (GF(b^{a_1 a_2 ... a_k}))$" should be -- $GF(b^{a_1}), GF(b^{a_1 a_1}), ..., GF(b^{a_1 a_2 ... a_k})$ --

Line 60, "$a_1, a_1 a_2, ..., a_{1a2} ... a_h$" should be -- $a_1, a_1 a_2, ..., a_1 a_2 ... a_h$ --

Lines 62-63, "$(GF(b^{a_1})), (GF(b^{a_{12}})), ..., (GF(b^{a_1 a_2 ... a_k}))$" should be -- $GF(b^{a_1}), GF(b^{a_1 a_2}), ..., GF(b^{a_1 a_2 ... a_k})$ --

Lines 64-65, "$a_1, a_2, ..., a_1 a_2 ... a_h$" should be -- $a_1, a_1 a_2, ..., a_1 a_2 ... a_h$ --

Column 18

Line 1,   "$(GF(b^{a_1 a_2 ... a_k})),$" should be -- $GF(b^{a_1 a_2 ... a_k})$ --

Lines 2-3,   "$(GF(b^{a_1})), (GF(b^{a_{12}})), ..., (GF(b^{a_1 a_2 ... a_k})),$" should be -- $GF(b^{a_1}), GF(b^{a_1 a_2}), ..., GF(b^{a_1 a_2 ... a_{k-1}})$ --

Line 5,   "$(GF(b^{a_1 a_2 ... a_k})),$" should be -- $GF(b^{a_1 a_2 ... a_k})$ --

Lines 6-7,   "$(GF(b^{a_1})), (GF(b^{a_{12}})), ..., (GF(b^{a_1 a_2 ... a_{k-1}}))$" should be -- $GF(b^{a_1}), GF(b^{a_1 a_2}), ..., GF(b^{a_1 a_2 ... a_{k-1}})$ --

Line 9,   "$(GF(b^{a_{12} ... a_k}))$" should be -- $GF(b^{a_1 a_2 ... a_k}),$ --

Line 13,   "$(GF(b^{a_1})), (GF(b^{a_{12}})), ..., (GF(b^{a_1 a_2 ... a_{k-1}}))$" should be -- $GF(b^{a_1}), GF(b^{a_1 a_2}), ..., GF(b^{a_1 a_2 ... a_{k-1}})$ --

Line 20,   "$(GF(b^{a_1 a_2 ... a_k}),$" should be -- $GF(b^{a_1 a_2 ... a_k})$ --

Line 22,   "$(GF(b^{a_1})), (GF(b^{a_{12}})), ..., (GF(b^{a_1 a_2 ... a_{k-1}}))$" should be -- $GF(b^{a_1}), GF(b^{a_1 a_2}), ..., GF(b^{a_1 a_2 ... a_{k-1}})$ --

Line 32,   "$(GF(b^{a_1 a_2 ... a_k}))$" should be -- $GF(b^{a_1 a_2 ... a_k})$ --

Line 37,   "$(GF(b^{a_1 a_2 ... a_k}))$" should be -- $GF(b^{a_1 a_2 ... a_k})$ --

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Lines 51-54, "reading from the multilevel memory cells a codeword having k+n coded symbols in a first base the first base being equal to a maximum number of storage levels of the memory levels;" should read as -- reading from the multilevel memory cells a codeword having k+n coded symbols in a first base, the first base being equal to a maximum number of storage levels of the memory cells; --

Signed and Sealed this

Twenty-second Day of July, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office